

## Assignment-1 on CSE 123

Fall 2021

Date of Submission: 31/10/2021

Q1. Find value of the following expression if int a=10 and int b=20

- i)  $a/5+5/b$  ii)  $-a+b\%3$  iii)  $++a+b-$  iv)  $1/2*(a-b)$

Q2. Write a program to find the highest of 5 integers using conditional operator (?:).

Q3. Suppose new train will be inaugurated from Rajshahi to Dhaka which stops at Rajshahi, Abdulpur, Ishawrdi, Ullapara, Tangail and Dhaka. Then write a program that calculates the fare between two stations using a menu given below with a switch statement. Assume the fare per kilometer of Tk. 2 and Toll of Bangabandhu Bridge of Tk 20. Use the following table for distance calculation.

Station	Distance
Rajshahi	0
Abdulpur	50
Ishawrdi	65
Ullapara	100
Tangail	170
Dhaka	230

### Menu

1. Rajshahi
2. Abdulpur
3. Ishawrdi
4. Ullapara
5. Tangail
6. Dhaka
7. Exit

Select your station:

Hint: Using the menu, user inputs start end destination stations.

To find the fare between Rajshahi and Ullapara input

**Select your station: 1 4 <enter>**

Q4. Write a program to sum the series  $1+3+5+\dots+99$  using i) **for** loop ii) **while** loop and iii) **do-while** loop